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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 23 October 2001 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data for space launches by the United States during the period from April to August 2001 (see annex).

V.01-88239 (E) 221101 231101

Annex

Registration data for space launches by the United States of America*

1. The following report supplements the registration data for the United States launches as at 30 April 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2001-013A	7 April 2001	105.0	51.9	1 816	192	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-013B	7 April 2001	105.0	51.9	1 817	192	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-013C	7 April 2001	100.1	40.0	1 356	175	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-016A	19 April 2001	92.4	51.5	324	315	Reusable space transportation systems
The following objects not previously reported have been identified since the last report:						
1994-029AEJ	19 May 1994	98.8	81.8	866	580	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 April 2001:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 April 2001:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 30 April 2001:

1961-015EY, 1961-015GY, 1969-082KS, 1970-025QL, 1970-025QM, 1977-053B, 1994-029EW, 1994-029KF, 1994-029PL, 1994-035B, 1999-051D

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

*The registration data are reproduced in the form in which they were received.

2. The following report supplements the registration data for the United States launches as at 31 May 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
2001-018A	8 May 2001	1 436.1	0.027	35 789	35 786	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-018B	8 May 2001	641.5	1.363	35 751	864	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-019A	15 May 2001	1 436.1	0.0044	35 790	35 785	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-020A	18 May 2001	107.2	24.7	2 011	187	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-020B	18 May 2001	107.2	24.7	2 011	187	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-020C	18 May 2001	107.2	24.7	2 011	187	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report						
1965-108AG	21 December 1965	527.8	26.3	29 864	652	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AH	21 December 1965	542.2	26.4	30 654	646	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AJ	21 December 1965	537.1	27.2	30 199	830	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AK	21 December 1965	561.5	26.6	31 279	1 069	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
1965-108AL	21 December 1965	546.1	27.8	30 780	734	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AM	21 December 1965	554.1	26.8	31 087	855	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AN	21 December 1965	556.7	26.4	30 193	1 889	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AP	21 December 1965	457.3	27.2	26 087	483	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AQ	21 December 1965	259.7	26.4	13 942	278	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-108AR	21 December 1965	537.3	28.0	29 931	1 113	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-012D	26 January 1978	Current elements not provided				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 May 2001:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 May 2001:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 31 May 2001:

1979-017JH, 1990-043H, 2001-016A.

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

3. The following report supplements the registration data for the United States launches as at 30 June 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2001-026A	19 June 2001	360.1	44.9	10 393	10 383	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-026B	19 June 2001	346.4	44.8	10 127	9 815	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-027A	30 June 2001	12 865.6	28.3	347 873	3 133	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:						
1965-048Q	24 June 1965	105.3	90.1	1 094	956	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-040L	15 May 1966	108.0	100.3	1 176	1 088	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1966-076H	18 August 1966	105.9	88.8	1 086	1 089	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1969-082LG	30 September 1969	97.7	70.1	678	633	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1970-025QQ	8 April 1970	102.9	100.0	975	819	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052KC	12 June 1975	112.3	99.7	1 572	1 087	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1975-052LB	12 June 1975	108.6	99.8	1 231	1 089	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1991-047J	4 July 1991	203.8	3.6.7	10 016	191	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics: Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space objects
1992-009D	23 February 1992	260.5	34.5	14 025	246	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1992-019D	10 April 1992	257.8	34.6	13 882	214	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1999-055D	7 October 1999	324.7	38.8	18 352	200	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 June 2001:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 June 2001:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 30 June 2001:

1973-086FT, 1974-089BE, 2001-010B

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

4. **The following report supplements the registration data for the United States launches as at 31 July 2001. All launches were made from the territory of the United States unless otherwise specified.**

International designation	*Date of launch*	*Basic orbital characteristics: Nodal period (min)*	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	*General function of space objects*
The following objects were launched since the last report and remain in orbit:						
2001-031A	23 July 2001	1 436.1	0.3015	35 803	35 770	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-031B	23 July 2001	750.5	20.5	41 713	248	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
None.						
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 July 2001:						
2001-027B	30 June 2001	89.9	26.9	334	210	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 July 2001:						
2001-028A	12 July 2001	92.3	51.6	395	378	Reusable space transportation systems
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 July 2001:						
1963-014AD, 1965-082PY, 1977-065K, 1994-029HH, 1994-029ABM, 1994-029ADN, 1996-056B, 2001-103C.						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

5. The following report supplements the registration data for the United States launches as at 31 August 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit						
2001-033A	6 August 2001	639.1	28.1	36 033	367	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-033B	6 August 2001	92.1	28.6	576	182	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-033C	6 August 2001	94.1	28.6	764	189	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-033D	6 August 2001	94.1	28.6	764	189	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-033E	6 August 2001	639.1	28.1	36 033	367	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-034A	8 August 2001	Current elements not provided				Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-034B	8 August 2001	124.9	26.8	3 6489	189	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-034C	8 August 2001	Current elements not provided				Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-035B	21 August 2001	92.4	51.6	404	385	Spacecraft engaged in investigation of spaceflight techniques and technology
The following objects not previously reported have been identified since the last report						
None						

International designation	Date of launch	Basic orbital characteristics: Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 August 2001						
None						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 August 2001						
2001-035A	10 August 2001	92.3	51.6	402	371	Reusable space transportation systems
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 August 2001						
1968-082GZ, 1987-053B, 1989-089BS, 1990-043F, 1994-029K, 1994-029AC3						
The following objects were launched since the last report but did not achieve orbit						
None						
Revisions that should be made to previously reported data						
None						

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Committee on the Peaceful Uses of Outer Space

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Note verbale dated 9 November 2001 from the Permanent Mission of India to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of India to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* information concerning the Indian Technology Experiment Satellite (TES), as well as the last stage of the polar satellite launch vehicle PSLV-C3 (see annex).

* General Assembly resolution 3235 (XXIX), annex.

V.01-89647 (E)

Annex

Registration data for Indian space objects*

Name of the launching State:	India
Appropriate designator of the space object or its registration number:	TES
Date and territory or location of launch:	
Launch vehicle:	PSLV-C3
Launch date:	22 October 2001
Launch site:	Sriharikota, India
Basic orbital characteristics:	
Apogee:	569.0 kilometres
Perigee:	555.2 kilometres
Inclination:	97.776 degrees
Period:	96.02 minutes
General function of the space object:	Technology Experiment Satellite

* The registration data are reproduced in the form in which they were received.

Name of the launching State:	India
Appropriate designator of the space object or its registration number:	PSLV-C3-PS4
Date and territory or location of launch:	
Launch vehicle:	PSLV-C3
Launch date:	22 October 2001
Launch site:	Sriharikota, India
Basic orbital characteristics:	
Apogee:	639.52 kilometres
Perigee:	565.30 kilometres
Inclination:	97.775 degrees
Period:	96.737 minutes
General function of the space object:	Upper stage of the polar satellite launch vehicle PSLV-C3

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Committee on the Peaceful Uses of Outer Space

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Note verbale dated 28 November 2001 from the Permanent Mission of France to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of France to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to submit the list of objects launched by France in 2001.

V.01-89653 (E) 040202 050202

Annex

Registration data on space objects launched by France in 2001

The following space objects were launched from Kourou, French Guiana:

Registration number	*Date of launch (Universal Time)*	*Nodal period (seconds)*	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	*General function of space object*
2001-1	10 January 2001	-	6.500	35 932	180	Third stage of Ariane-4
2001-2	7 February 2001	-	7.000	36 008	199	Third stage of Ariane-4
2001-3A	8 March 2001	-	2.020	36 032	863	Second stage of Ariane-5
2001-3B	8 March 2001	86 160	0.000	35 786	35 786	EUTELSAT EUROBIRD telecommunications satellite[a]

[a] The European Telecommunications Satellite Organization (EUTELSAT) and France have agreed that France should register this satellite temporarily until EUTELSAT has met the conditions (definite geostationary orbit indicated) for registering it.

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Note verbale dated 7 November 2001 from the Permanent Mission of Pakistan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Pakistan to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to submit information concerning the launch of Pakistan's second satellite BADR-B, scheduled for 21 November 2001 (see annex).**

* General Assembly resolution 3235 (XXIX), annex.

** The text of the annex was changed by the Secretariat in order to include the actual launch date of 10 December 2001.

V.01-89978 (E) 040102 070102

Annex

Registration data for the space launch by Pakistan

Name of the launching State:	Pakistan
Appropriate designator of the space object or its registration number:	BADR-B (SUP002)
Date of the launch:	10 December 2001
Location of the launch:	Baikonur Cosmodrome, Kazakhstan
Planned orbital parameters:	
Apogee:	1,018.63 kilometres
Perigee:	1,018.63 kilometres
Inclination:	99.64 degrees
Period:	105.35 minutes
Local time of ascending node:	0900 ± 15 minutes
Semi-major axis:	7,391.6 kilometres
General function of the space object:	The main scientific goal of the mission is to acquire data on space weather and Earth resources for peaceful purposes.